

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

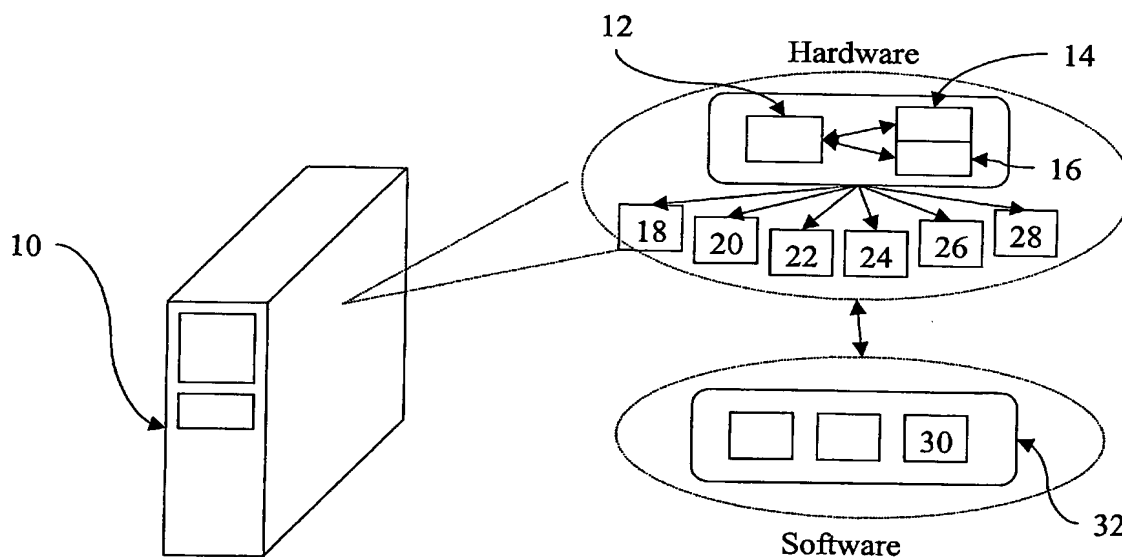
PCT

(10) International Publication Number
WO 2004/059501 A1

- (51) International Patent Classification⁷: **G06F 15/00** Jonatan [AU/AU]; 2/149 Blaxcell Street, Granville, NSW 2142 (AU).
- (21) International Application Number: PCT/US2002/041622 (74) Agents: STARR, Mark, T. et al.; Unisys Corporation, Unisys Way, MS/E8-114, Blue Bell, PA 19424-0001 (US).
- (22) International Filing Date: 27 December 2002 (27.12.2002) (81) Designated States (*national*): AU, US.
- (25) Filing Language: English (84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR).
- (26) Publication Language: English
- (71) Applicant (*for all designated States except US*): UNISYS CORPORATION [US/US]; Unisys Way, MS/E8-114, Blue Bell, PA 19424-0001 (US).
- Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only
- Published:
— with international search report
- (72) Inventors; and
(75) Inventors/Applicants (*for US only*): LOBOZ, Charles, Zdzislaw [AU/AU]; 9/5 Endeavour Street, West Ryde, NSW 2114 (AU). HARDING, Dean, Peter [AU/AU]; 88 Amazon Road, Seven Hills, NSW 2147 (AU). KELU,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS IN A SYSTEM AND METHOD FOR ESTIMATION OF COMPUTER RESOURCE USAGE BY TRANSACTION TYPES



(57) Abstract: The present invention provides a system (10) and method (30) for estimating computing resource usage (14) for each transaction type comprising the steps of obtaining utilisation data and transaction count data, applying a linear least squares algorithm (32) to the input data (22), wherein the linear least squares algorithm (32) comprises further steps arranged to reduce the time required to perform the aforementioned linear least squares algorithm computation.